

Last information update: March 2025

**Product configuration: QA12.43**

QA12.43: Ø59 Deco - DALI - Medium Beam - Black / Black

**Product code**

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**Technical description**

Cylindrical lighting body for ceiling or pendant-mounted applications. Fixed optic lighting system with a high definition reflector made of metallised thermoplastic. A decorative terminal element - in thick transparent PMMA - emphasises and elegantly defines light diffusion. Structural cylinder made of painted extruded aluminium with an inner ring made of black thermoplastic. Glass cover Using specific accessory kits, ceiling or pendant-mounted installations can be made with minimum intervention and simplified by a practical bayonet coupling system. DALI dimmable driver integrated in the luminaire.

**Installation**

Ceiling or pendant-mounted - use the appropriate assembly kits available with a separate item code.

**Colour**

Black / Black (43)

**Weight (Kg)**

0.49

**Mounting**

ceiling surface|ceiling pendant

**Wiring**

The lighting body is fitted with an internal terminal board for connectinf it to the power line or pendant cable.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	764	Colour temperature [K]:	3000
W system:	12.3	MacAdam Step:	2
lm source:	1140	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	11	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	62.1	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2
CRI (minimum):	90		

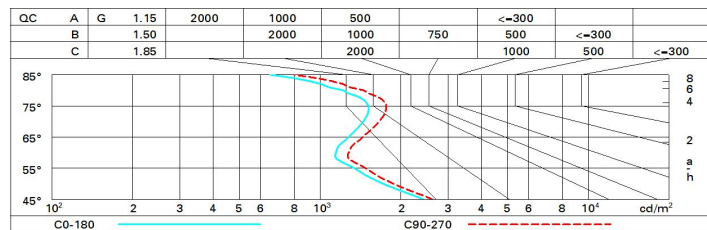
**Polar**

<p>Imax=3964 cd α = 23°</p>		<b>CIE</b> nL 0.67 98-99-100-100-67 UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b> 0.67A+0.00T F*1=980 F*1+F*2=990 F*1+F*2+F*3=997 <b>CIBSE</b> LG3 L<3000 cd/m² at 65° UGR<10   L<3000 cd/mq @65°		<b>Lux</b>			
90°	180°	90°		h	d	Em	E <sub>max</sub>
<p>4000</p> <p>0°</p>			2	0.8	797	991	
			4	1.7	199	248	
			6	2.5	89	110	
			8	3.3	50	62	

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	57	54	53	56	54	54	52	77
1.0	63	60	58	56	59	57	57	55	82
1.5	66	64	62	60	63	61	61	59	87
2.0	68	66	65	64	65	64	63	62	92
2.5	69	68	67	66	67	66	65	64	95
3.0	70	69	68	68	68	68	67	65	97
4.0	71	70	70	69	69	69	68	66	99
5.0	71	71	71	70	70	69	68	67	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1140 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	3.0	5.1	3.4	5.4	5.7	3.2	5.2	3.5	5.6	5.9
	3H	4.4	6.0	4.8	6.3	6.7	3.4	4.9	3.7	5.3	5.6
	4H	5.4	6.7	5.8	7.0	7.4	3.5	4.8	3.9	5.1	5.4
	6H	6.3	7.2	6.7	7.6	7.9	3.7	4.6	4.0	4.9	5.3
	8H	6.5	7.5	6.9	7.8	8.2	3.7	4.6	4.1	5.0	5.3
	12H	6.6	7.6	7.0	7.9	8.3	3.6	4.6	4.1	5.0	5.3
4H	2H	3.4	4.6	3.7	5.0	5.3	5.7	7.0	6.1	7.3	7.7
	3H	5.2	6.2	5.6	6.5	6.9	6.3	7.3	6.7	7.6	8.0
	4H	6.4	7.3	6.8	7.7	8.1	6.6	7.6	7.0	8.0	8.4
	6H	7.0	8.7	7.5	9.2	9.6	6.6	8.3	7.1	8.7	9.2
	8H	7.2	9.1	7.7	9.6	10.1	6.6	8.5	7.1	9.0	9.5
	12H	7.3	9.3	7.8	9.7	10.3	6.6	8.5	7.1	9.0	9.5
8H	4H	6.4	8.3	6.9	8.8	9.3	7.5	9.4	8.0	9.9	10.4
	6H	7.5	9.2	8.0	9.7	10.2	7.9	9.7	8.4	10.2	10.7
	8H	7.8	9.4	8.4	9.9	10.4	8.1	9.7	8.6	10.2	10.7
	12H	8.2	9.3	8.8	9.8	10.3	8.4	9.4	8.9	9.9	10.5
12H	4H	6.4	8.3	6.9	8.8	9.3	7.6	9.6	8.1	10.1	10.6
	6H	7.6	9.1	8.1	9.6	10.1	8.2	9.7	8.7	10.2	10.7
	8H	8.1	9.2	8.7	9.7	10.2	8.5	9.6	9.1	10.1	10.6
Variations with the observer position at spacing:											
S =	1.0H	0.7 / -0.3					0.7 / -0.3				
	1.5H	1.7 / -0.5					1.7 / -0.5				
	2.0H	2.7 / -0.5					2.6 / -0.4				